

Field

This section covers the following topics:

- Field Maintenance
 - Field Retrieval
 - Field Active Retrieval
 - Field-specific Special Functions
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Field Maintenance

The Field Maintenance Menu is called with MAINTAIN ELEMENT.

Overview of Field Maintenance Functions and Commands

Function	Code	Command
Add a field	A	ADD ELEMENT
Copy field	C	COPY ELEMENT
Display field	D	DISPLAY ELEMENT
Modify field	M	MODIFY ELEMENT
Rename field	N	RENAME ELEMENT
Purge field	P	PURGE ELEMENT
Redefine field	R	REDEFINE ELEMENT
Browse through fields of a file	B	BROWSE ELEMENT
Move field within a file	H	MOVE ELEMENT
Link children	L	LINK ELEMENT <active-association-type>
Edit owners of a field	O	EDIT ELEMENT OWNER
Select field from a list	S	SELECT ELEMENT
Edit description of a field	W	EDIT ELEMENT DESCRIPTION
Edit field expression	Y	EDIT ELEMENT EXPRESSION

Field Maintenance Parameters

Keyword	Field	Position
ID	Field ID	1
<>	in file	2
<>	Copy field ID	3
<>	Copy file ID	4

Field-Specific Maintenance Commands

Maintenance Command	Description																				
ADD ELEMENT <field-ID><file-ID><copy-field-ID>	<p>When applied to fields, the standard maintenance function Add offers additional options. A field can be added:</p> <ul style="list-style-type: none">to the end of the specified file (no copy field ID specified)to the bottom of the specified file (copy field ID=*)to a position after a specified field (copy field ID=field_2) in the specified file. <table><tr><th>Parameter/Function</th><th>ADD to bottom</th><th>ADD to top</th><th>ADD to position</th></tr><tr><td>Field ID</td><td>field_1</td><td>field_1</td><td>field_1</td></tr><tr><td>in file</td><td>file_1</td><td>file_1</td><td>file_1</td></tr><tr><td>Copy field ID</td><td></td><td>*</td><td>field_2</td></tr><tr><td>Copy file ID</td><td></td><td></td><td></td></tr></table>	Parameter/Function	ADD to bottom	ADD to top	ADD to position	Field ID	field_1	field_1	field_1	in file	file_1	file_1	file_1	Copy field ID		*	field_2	Copy file ID			
Parameter/Function	ADD to bottom	ADD to top	ADD to position																		
Field ID	field_1	field_1	field_1																		
in file	file_1	file_1	file_1																		
Copy field ID		*	field_2																		
Copy file ID																					
COPY ELEMENT <field-ID><file-ID><copy-field-ID><copy-file-ID>	<p>When applied to fields, the standard maintenance function Copy offers additional options. A field can be copied:</p> <ul style="list-style-type: none">to the end of the same file and renamed (copy field ID=field_2)to another file (copy file ID=file_2) to a position after a specified field (copy field ID=field_2)to the end of another file (copy file ID=file_2). <table><tr><th>Parameter/Function</th><th>COPY and rename</th><th>COPY to position</th><th>COPY to end</th></tr><tr><td>Field ID</td><td>field_1</td><td>field_1</td><td>field_1</td></tr><tr><td>in file</td><td>file_1</td><td>file_1</td><td>file_1</td></tr><tr><td>Copy field ID</td><td>field_2</td><td>field_2</td><td></td></tr><tr><td>Copy file ID</td><td></td><td>file_2</td><td>file_2</td></tr></table>	Parameter/Function	COPY and rename	COPY to position	COPY to end	Field ID	field_1	field_1	field_1	in file	file_1	file_1	file_1	Copy field ID	field_2	field_2		Copy file ID		file_2	file_2
Parameter/Function	COPY and rename	COPY to position	COPY to end																		
Field ID	field_1	field_1	field_1																		
in file	file_1	file_1	file_1																		
Copy field ID	field_2	field_2																			
Copy file ID		file_2	file_2																		
REDEFINE ELEMENT<field-ID><file-ID>	Calls the editor for the function Redefine field.																				
BROWSE ELEMENT<field-ID><file-ID>	Invokes the Modify field function for each field in the field list of a file, starting with the field specified. If no field ID is given, the file is browsed from the first field in the list. This function is especially useful when applying general changes to all fields in a file starting with the field ID specified.																				

Maintenance Command	Description										
MOVE ELEMENT<field-ID><file-ID> <copy-field-ID>	This command is used to change the order of fields in a file. A field can be moved:										
	<ul style="list-style-type: none">to the top of the file (copy field ID=*)to a position after a specified field (copy field ID=field_2).										
	Parameter/Function	MOVE to top	MOVE to position								
	Field ID	field_1	field_1								
	in file	file_1	file_1								
	Copy field ID	*	field_2								
Copy file ID											
EDIT ELEMENT EXPRESSION<field-ID><file-ID>	Calls function Edit field expression. Applicable only to fields of type DV in files of the following types:										
	<table><tr><th colspan="2">File Types</th></tr><tr><td>B</td><td>Adabas SQL views</td></tr><tr><td>E</td><td>DB2 view</td></tr><tr><td>YV</td><td>SYBASE view</td></tr></table>			File Types		B	Adabas SQL views	E	DB2 view	YV	SYBASE view
	File Types										
	B	Adabas SQL views									
	E	DB2 view									
YV	SYBASE view										

Field Retrieval

The Field Retrieval Menu is called with RETRIEVE ELEMENT.

Overview of Field Retrieval Functions and Commands

Retrieval Type	Code	Default Output Mode	Command
Fields	D	D	DISPLAY ELEMENT
		L	LIST ELEMENT
		S	SELECT ELEMENT
		D	SHOW ELEMENT
Executive retrieval models	E	T	EXECMODEL ELEMENT
		T	MODEL=IM IMPLODE ELEMENT Note: This command will be dropped in a future version.
		X	MODEL=XR XREF ELEMENT Note: This command will be dropped in a future version.
Non-standard fields	N	L	NONSTANDARD ELEMENT
Fields and related views	R	L	RELATED ELEMENT
Fields with parent	B	D	PARENTS FIELDS <passive-association-type>
Fields with no parent	O	L	FREE FIELDS ANY ALL <passive-association-type>
Fields with children	T	D	CHILDREN ELEMENT <active-association-type>
Fields with no children	U	L	EMPTY ELEMENT ANY ALL <active-association-type>
Fields related to a Z-file	Z	L	STANDARD ELEMENT

Field Retrieval Parameters

Keyword	Field	Position
ID	Field ID/Synonym	1
FILE	in file	2
RES	Restrictions	3
OUT	Output options	4
LANGUAGE	Synonym of language	5
TYPE	in files of type	6
MODEL	Model	7
MODE	Output mode	8

Field-Specific Retrieval Commands

See also Standard Retrieval Commands.

Retrieval Command	Description
NONSTANDARD ELEMENT	Lists all fields which have not been pulled forward from a standard file or have been marked subsequently as non-standard. If both a field name and file name are entered without an asterisk, the field name is ignored and all fields of the specified file which satisfy the other criteria are listed.
RELATED ELEMENT	Lists fields in a userview together with the fields in the master file(s) of the userview from which they are derived. If both a field name and file name are entered without an asterisk, the field name is ignored and all fields of the specified file which satisfy the other criteria are listed.
STANDARD ELEMENT	Lists the fields of standard files with their related fields in other files. If both a field name and file name are entered without an asterisk, the field name is ignored and all fields of the specified file which satisfy the other criteria are listed.

Field Active Retrieval

The Field Active Retrieval Menu is called with ACTIVE ELEMENT.

Overview of Field Active Retrieval Functions and Commands

Retrieval Type	Code	Default Output Mode	Command
Fields			see Field Retrieval
Fields ref. by members	R	L	REFERENCED ELEMENT
		C	COUNT ELEMENT
Fields inconsistently used	U	L	UNUSED ELEMENT
Fields not documented	O	L	UNDEFINED ELEMENT

Field Active Retrieval Parameters

Keyword	Field	Position
ID	Field ID/Synonym	1
FILE	in file	2
RES	Restrictions	3
OUT	Output options	4
LANGUAGE	Synonym language	5
USE	Usage	6
MASTER	For master fields	7
SET	Save set	8
MODE	Output mode	not applicable

Field-Specific Active Retrieval Commands

Active Retrieval Command	Description
REFERENCED ELEMENT	Lists for every referenced field all members using the field.
COUNT ELEMENT	Shows for every referenced field a summary list which indicates for each library and each field usage (for example read or update) the number of members that use the field.
UNUSED ELEMENT	Lists fields that are not used by any member or which may be used incorrectly. If parameter Usage is specified, only fields not used in the specified manner are shown.
UNDEFINED ELEMENT	Lists fields in implemented files that are not documented in Predict.

Field-specific Special Functions

Function	Description			
DUPL-LIST ELEMENT <file-ID>	Executes the function List duplicate standard fields. This function lists standard fields with duplicate IDs.			
DUPL-SEL ELEMENT <file-ID>	Executes the function Select duplicate standard fields. This function selects standard fields with duplicate IDs.			
SHIFT ELEMENT <file 1> <field 1> <file 2>	Executes the function Move field to other standard file. This function assigns a standard field to another standard file. The field specified with parameter From field ID is deleted and added as To field ID. All references to the old standard field are transferred to the new standard field.			
	Keyword	Field	Position	
	-	From File ID	1	
	-	From Field ID	2	
	-	To File ID	3	
REASSIGN ELEMENT	Executes the function Reassign standard relationships. References to a standard field are merged with references to another standard field either in the same or in a different standard file.			
	Function Parameters	Merge in same File	Merge in two Files without name change	Merge in two Files with name change
	From File ID	file1	file1	file1
	From Field ID	field1	field1	field1
	To File ID	file1	file2	file2
	To Field ID	field2	field1	field2